

TITLE 10 -- DEPARTMENT OF NATURAL RESOURCES
DIVISION 60 – SAFE DRINKING WATER COMMISSION
Chapter 5 – Laboratory and Analytical Requirements

PROPOSED AMENDMENT

10 CSR 60-5.010 Acceptable and Alternate Procedures for Analysis. The commission is amending section (3).

PURPOSE: This proposed amendment updates the incorporation by reference of analytical methods for analysis of drinking water samples.

PUBLISHER'S NOTE: The secretary of state has determined that the publication of the entire text of the material which is incorporated by reference as a portion of this rule would be unduly cumbersome or expensive. This material as incorporated by reference in this rule shall be maintained by the agency at its headquarters and shall be made available to the public for inspection and copying at no more than the actual cost of reproduction. This note applies only to the reference material. The entire text of the rule is printed here.

(1) Inorganic and Secondary Contaminants. Unless substitute methods are approved by the U.S. Environmental Protection Agency (EPA), analysis shall be conducted in accordance with the inorganic and secondary contaminant analytical methods in paragraphs 40 CFR 141.23(k)(l) and 40 CFR 143.4(b) of the July 1, 2011, *Code of Federal Regulations*, which are incorporated by reference in this rule. This does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(2) Organic Contaminants. Unless substitute methods are approved by the EPA, analysis shall be conducted in accordance with the organic contaminant analytical methods in paragraph 40 CFR 141.24(e) of the July 1, 2011, *Code of Federal Regulations*, which is incorporated by reference in this rule. This does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(3) Microbiological Contaminants and Turbidity. Unless substitute methods are approved by [the] EPA, analysis shall be conducted in accordance with the microbiological contaminant and turbidity analytical methods in 40 CFR 141.21(f), 40 CFR 141.74(a)(1), [and] 40 CFR 141.704(a), **and 40 CFR 141.852** of the [July 1, 2011]**Feb. 26, 2014**, *Code of Federal Regulations*, which are incorporated by reference. This does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(4) Radiological Contaminants. Unless substitute methods are approved by the EPA, analysis

shall be conducted in accordance with the radiological contaminant analytical methods in paragraphs 40 CFR 141.25(a) and (b) of the July 1, 2011, *Code of Federal Regulations*, which are incorporated by reference. This does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(5) Disinfection By-Products, Residual Disinfectant Concentrations, and Disinfection By-Product Precursors. Unless substitute methods are approved by the EPA, analysis shall be conducted in accordance with the disinfection by-product, residual disinfectant concentration, and disinfection by-product precursor analytical methods in 40 CFR 141.74(a)(2) and 40 CFR 141.131 of the July 1, 2011, *Code of Federal Regulations*, which are incorporated by reference. This does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(6) Sample collection for the contaminants referenced in this rule must be conducted using the sample preservation, container, and maximum holding time procedures specified in the following procedures, which are incorporated by reference, or in accordance with procedures contained in the appropriate analytical method. The incorporation by reference does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>. [

(A)] Inorganic contaminant sample collection procedures in 40 CFR 141.23(k)(2) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference.

(7) The department may reduce the total number of samples a system must analyze by allowing the use of compositing. Compositing shall be conducted according to the following procedures, which are incorporated by reference. The incorporation by reference does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(A) Sample compositing procedures for inorganic contaminants in 40 CFR 141.23(a)(4) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference.

(B) Sample compositing procedures for volatile organic contaminants in 40 CFR 141.24(f)(14) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference.

(C) Sample compositing procedures for synthetic organic contaminants in 40 CFR 141.24(h)(10) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference.

(D) Sample compositing procedures for radiological contaminants in 40 CFR 141.26(a)(4) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference.

(E) Sample compositing procedures for lead and copper in 40 CFR 141.88(a)(1)(iv) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference.

(8) Detection Limits.

(A) Detection limits for inorganic contaminants in 40 CFR 141.23(a)(4)(i) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference. The incorporation by reference

does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(B) Practical Quantitation Levels (PQL) for lead and copper in 40 CFR 141.89(a)(1)(ii)(A) and (B) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference. This does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(C) Detection limit for volatile organic contaminants in 40 CFR 141.24(f)(7) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference. The incorporation by reference does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(D) Detection limits for synthetic organic contaminants in 40 CFR 141.24(h)(13)(ii) and 141.24(h)(18) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference. The incorporation by reference does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(E) Detection limits for radiological contaminants in 40 CFR 141.25(c) of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference. The incorporation by reference does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(F) Detection limits for disinfection byproducts in 40 CFR 141.64 of the July 1, 2011, *Code of Federal Regulations* are incorporated by reference. The incorporation by reference does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

(9) Analytical Methods for Source Water Monitoring. Unless substitute methods are approved by the department, analysis shall be conducted in accordance with the analytical methods in 40 CFR 141.402(c) of the July 1, 2011, *Code of Federal Regulations*, which are incorporated by reference. This does not include later amendments or additions. The *Code of Federal Regulations* is published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401 and is available by calling toll-free (866) 512-1800 or going to <http://bookstore.gpo.gov>.

AUTHORITY: section 640.100, RSMo Supp. 2011, and section 640.125.1., RSMo 2000.
Original rule filed May 4, 1979, effective Sept. 14, 1979. Amended: Filed April 14, 1981, effective Oct. 11, 1981. Amended: Filed June 2, 1988, effective Aug. 31, 1988. Rescinded and readopted: Filed Dec. 4, 1990, effective July 8, 1991. Rescinded and readopted: Filed March 31, 1992, effective Dec. 3, 1992. Amended: Filed Aug. 4, 1992, effective May 6, 1993. Amended: Filed May 4, 1993, effective Jan. 13, 1994. Amended: Filed Feb. 1, 1996, effective Oct. 30, 1996. Amended: Filed July 1, 1999, effective March 30, 2000. Amended: Filed Dec. 15, 1999, effective Sept. 30, 2000. Amended: Filed April 15, 2003, effective Jan. 30, 2004. Amended: Filed Feb. 17, 2004, effective Nov. 30, 2004. Amended: Filed Feb. 27, 2009, effective Oct. 30, 2009. Amended: Filed April 14, 2010, effective Dec. 30, 2010. Amended: Filed Oct. 17, 2011, effective May 30, 2012. Amended: Filed Aug. 17, 2015.*

**Original authority: 640.100, RSMo 1939, amended 1978, 1981, 1982, 1988, 1989, 1992, 1993, 1995, 1996, 1998, 1999, 2002, 2006 and 640.125, RSMo 1978, amended 1998.*

PUBLIC ENTITY COSTS: This amendment is anticipated to cost state agencies and political subdivisions less than \$500 in the aggregate.

PRIVATE ENTITY COSTS: This amendment is anticipated to cost private entities less than \$500 in the aggregate.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: The Department of Natural Resources Public Drinking Water Branch will hold a public hearing on this proposed rule at 10:00 a.m. on October 16, 2015 at the Lewis and Clark State Office Building, 1101 Riverside Drive, Jefferson City, Missouri. Any interested person may comment during the public hearing in support of or in opposition to the proposed rule. Written comments postmarked or received by October 19, 2015 will also be accepted. Written comments must be mailed to: Scott Weckenborg, MDNR Public Drinking Water Branch, P.O. Box 176, Jefferson City, MO 65102, or hand-delivered to the Lewis and Clark State Office Building, 1101 Riverside Drive, Jefferson City, Missouri.